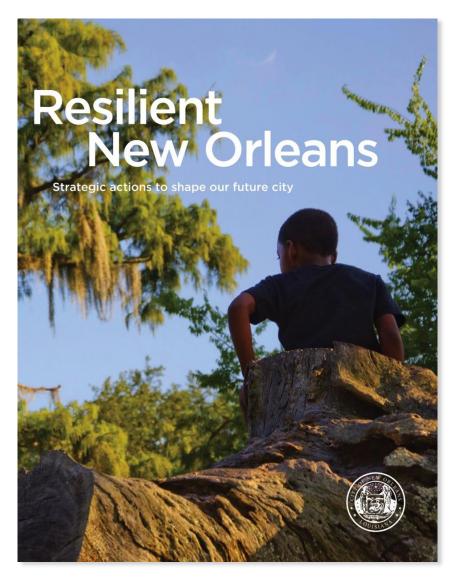
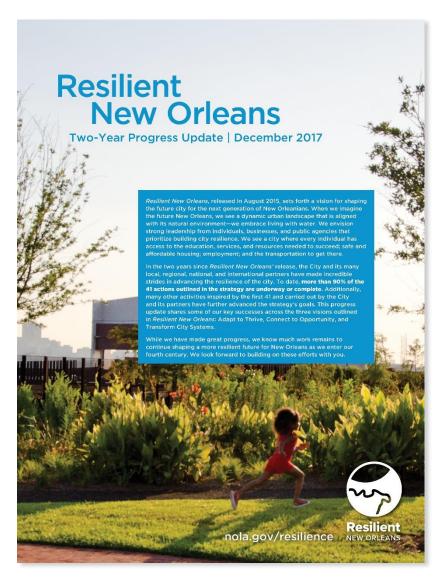
New Orleans City Resilience Strategy

2-Year Progress Update











Resilience Dividend: Designing for multiple benefits









Community Cohesion







Gentilly Resilience District

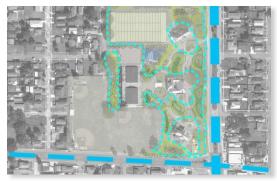




Streets & Corridors



Open Spaces



Parks & Playgrounds

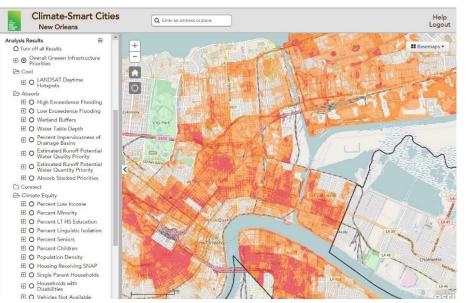


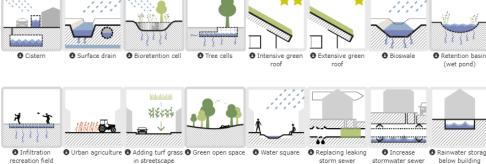
Vacant Lots



Home & Property Improvements

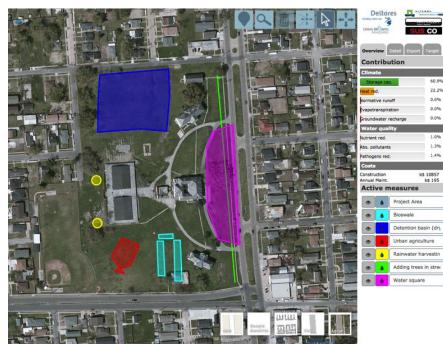
Climate-Ready Planning Tools using data and science to engage residents and stakeholders

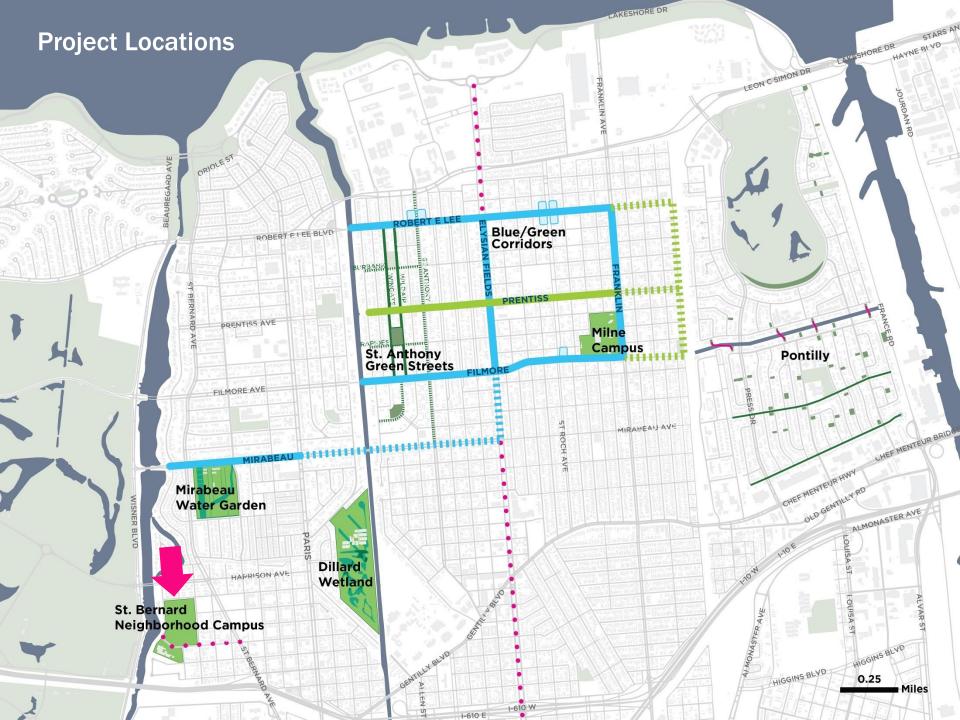


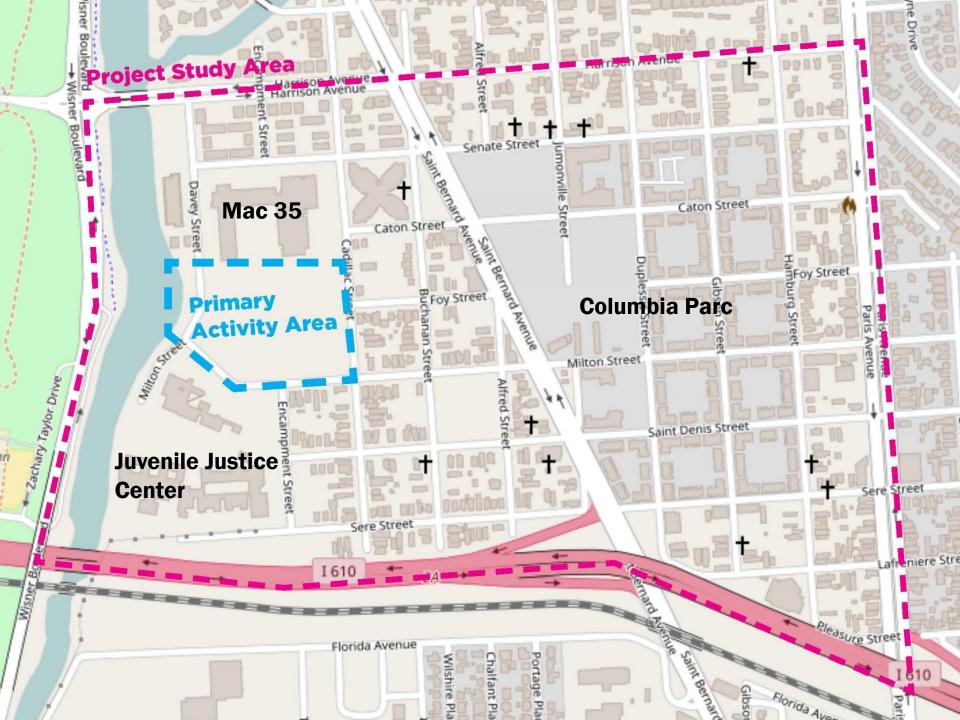






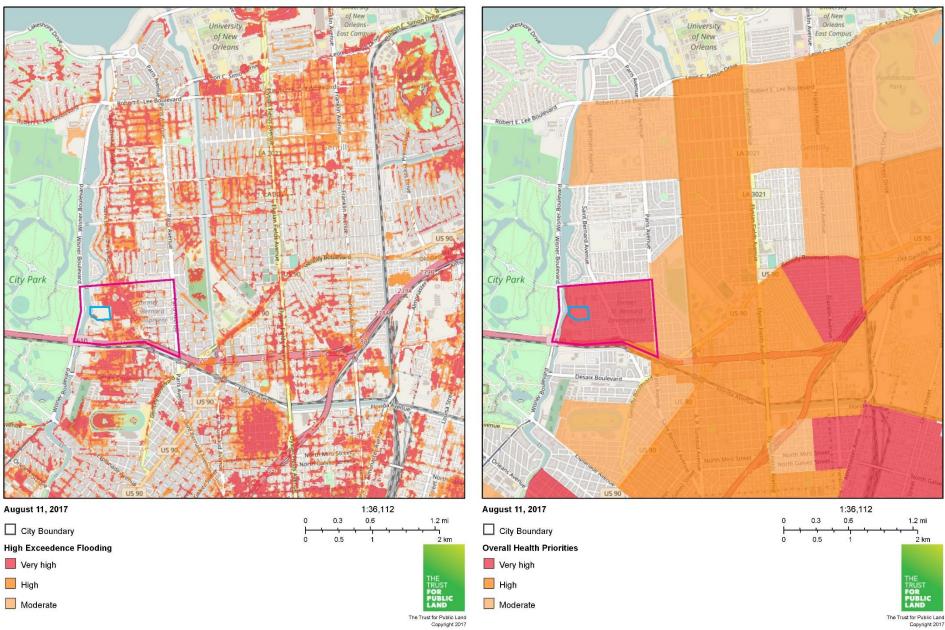


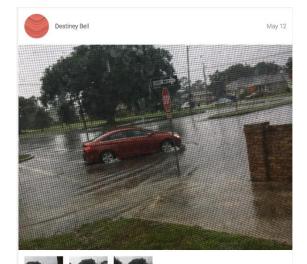




High Exceedence Flooding - St. Bernard

Health Priorities - St. Bernard







♥ New Orleans, LA, US Share ∄

This is the intersection I live at, and also my driveway. This flooding happens every single time it rains. This is after only 30 minutes of rain. Having a two year old, this is dangerous for him. The debris from the road also ends up in my yard after storms. It's also a school bus stop, so kids waiting here for the bus are exposed to these conditions.

₫1 Q3 3,78.4°

















Saving Energy = Saving \$



BENEFITS OF ENERGY EFFICIENCY

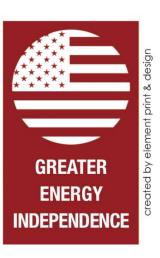




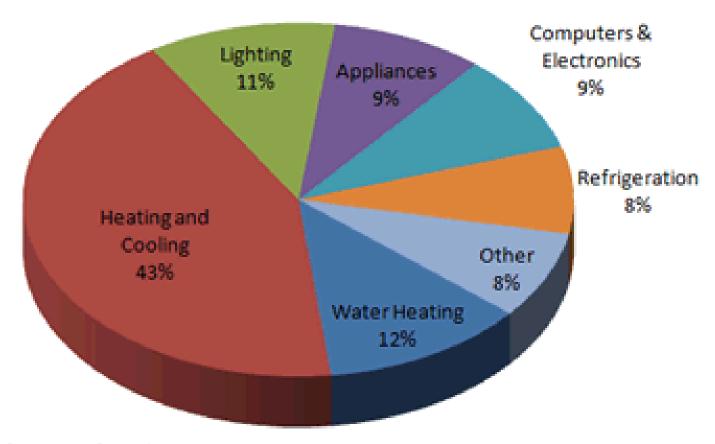








What Makes Up Your Electric Bill



Source: Your Home's Energy Use, EnergySavers.gov





Energy efficiency saves money!

- The average U.S. household spends \$5,550/year on energy.
- Buying ENERGY STAR appliances saves up to 30% on electricity bills.
- Replacing incandescent light bulbs with energyefficient halogens, CFLs or LEDs saves 30-80% on energy bills.

Other Benefits

- Increases comfort
- Improves the function / longevity of a building's systems
- Increases property value
- Is a good return on investment
- Contributes towards national security
- Improves productivity







Energy Smart



Residential Rebates

Spend less money to save even more. That's really smart.



Want to lower your bill even more? Upgrade existing equipment in your home to qualifying ENERGY STAR® models. Rebates for projects may include:

- Central A/C
 Up to \$200 rebate per system.
- Air Source Heat Pump
 Up to \$250 rebate per system.
- Mini-split (Ductless Heat Pump)
 Up to \$500 rebate per system.
- Attic Insulation
 Up to \$.40 per sq. ft.
- Air Infiltration
 Average \$250 per home for 650 CFM50 reduction.
- Duct Sealing
 Average \$400 per home for 200 CFM25 reduction.

Receive up to \$5,000 toward your home energy improvements.

Call 504-229-6868 or visit energysmartnola.com for a list of participating retail locations and contractors.





Energy Smart is a comprehensive energy efficiency program developed by the New Orleans City Council and administered by Entergy New Orleans, Inc.

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Lighting & Appliance Rebates



Energy Smart for Businesses



Small Commercial Solutions

- · Average peak demand of less than 100 kW.
- Incentives are based on approximately \$0.12 per kWh saved for all upgrades.



Large Commercial Solutions

- Average peak demand of 100 kW.
- Incentives are based on approximately \$0.10/kWh saved for lighting projects, and \$0.12/kWh saved for non-lighting projects.



Publicly Funded Institutions

- Provides technical assistance and financial incentives to publicly funded institutions (i.e., government buildings, public schools, etc.).
- Average peak demand of 100 kW or more.
- Incentives are based on approximately \$0.10/kWh saved for lighting projects, and \$0.12/kWh saved for non-lighting projects.

Participants can receive up to:

- \$50,000 for lighting.
- \$50,000 for non-lighting upgrades.
- Up to 100 percent of the project cost.

How do I participate?

- Identify a project.
- 2. Submit an application.
- 3. Upon pre-approval, start your project.*
- 4. Submit project completion documentation.
- 5. A post-project site visit will be conducted by Energy Smart team.
- 6. Get paid.

 * Pre-approval is required prior to any material purchases or installation.



Municipal Energy Upgrades

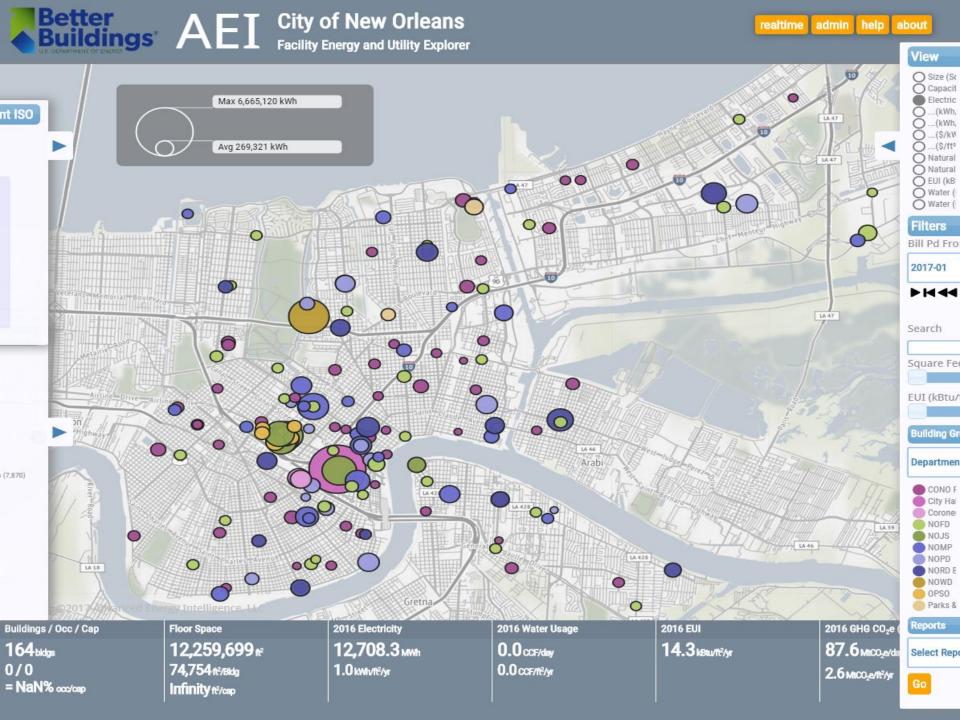


For 92 Municipal Properties

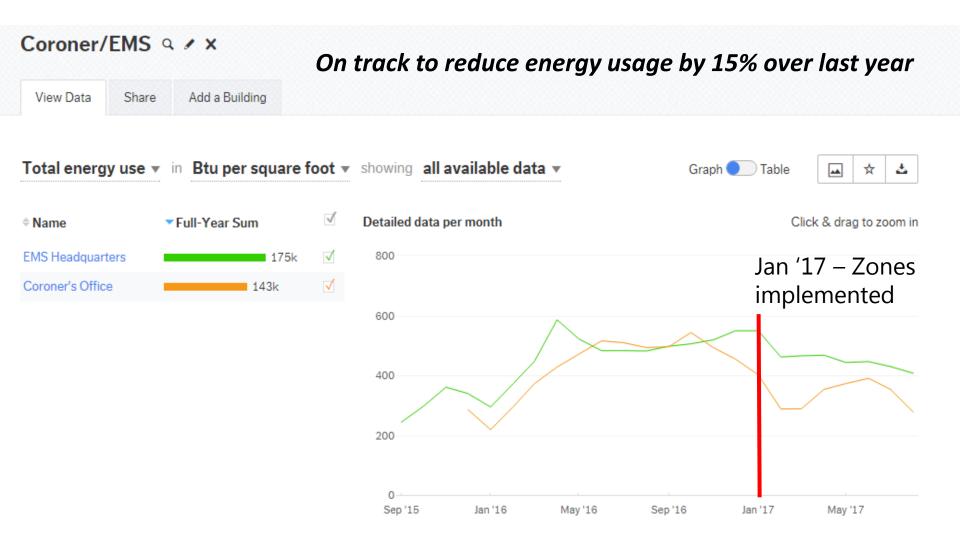
- Conduct Energy Audits
- Building Automation System (BAS) review
- Provide retrocommissioning recommendations and cost estimates
- Meetings with facility maintenance staff on BAS oversight

- Ongoing engagement with facility staff about equipment programming
- Surveys of occupants regarding facility comfort / performance
- Ongoing support
- Manual of equipment operations





Case Study: EMS/Coroner's Office







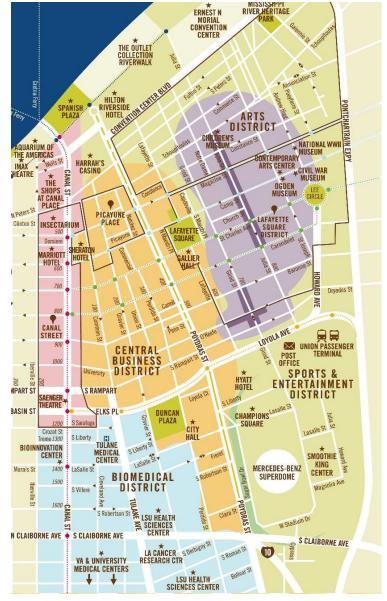




Reduce Energy Use and Save Money

- Benchmark Energy Usage
- Track and Reduce Energy Usage over Time
- Move towards ENERGY STAR Certification







Property Owners / Managers



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- Build their brand
- Improve bottom line and/or competitive edge
- Demonstrate leadership in sustainability
- Help make downtown a better place
- Assisted by partners within City Hall and throughout the city







- Receive free technical assistance and training
- Gain recognition at annual awards ceremony







Camille Pollan

Energy Efficiency Program Manager Office of Resilience and Sustainability

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ofc: (504)658-8697

cell: (504)919-5338





Climate Action

for a Resilient New Orleans

50% by 2030





July 2017

nola.gov/climateaction

Changing Climate, Changing City

Coastal cities most at risk from climate change

Sea level rise, extreme heat, more ferocious storms and extreme rainfall We must reduce our contribution as we adapt to changes in our climate

Working together we can make a difference

Joining a global movement amplifies our local impact More than 7500 cities worldwide - 300 nationwide

Growing regional leadership and opportunity

Climate action supports growth of jobs and businesses in our economy Cities compete for talent, resources and this is an area we can lead

City leadership is critical to our success

New concepts in our community - change challenges us Action reduces our risk and creates additional benefits

Greenhouse Gas (GHG) Inventory

Total 2014 GHG Pollution:

3,606,199 metric tons CO₂e

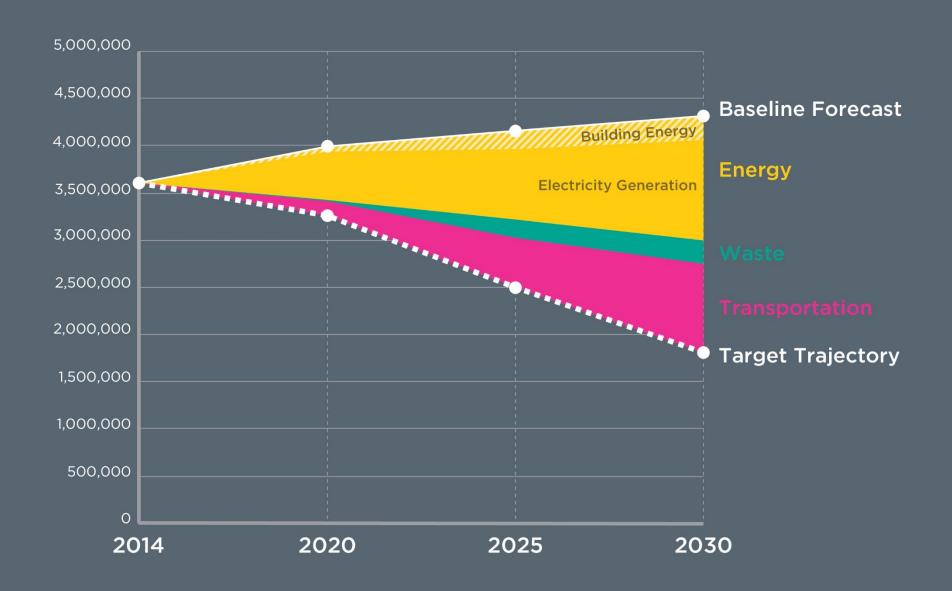
How we compare

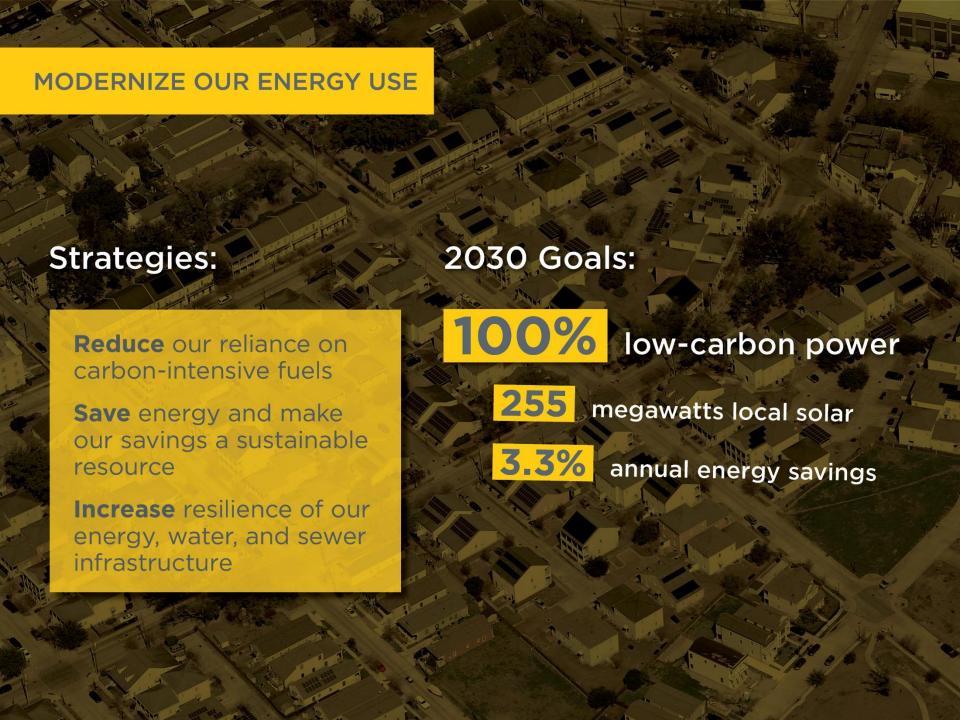
Pollution Per Capita (metric tons)

12
15.22
12.47
12.37
12.34
9.40
9.38
8.31
5.37



Getting to 50%: Actions add up





IMPROVE OUR TRANSPORTATION CHOICES





CREATE A CULTURE OF AWARENESS & ACTION

Strategies:

Grow the local low-carbon economy

Enable data-driven decision making and collaboration

Connect culture and climate action

2030 Goals:

Increase **awareness** and **action** among residents, businesses, and visitors

Improving How We Move: Resilience in Mobility

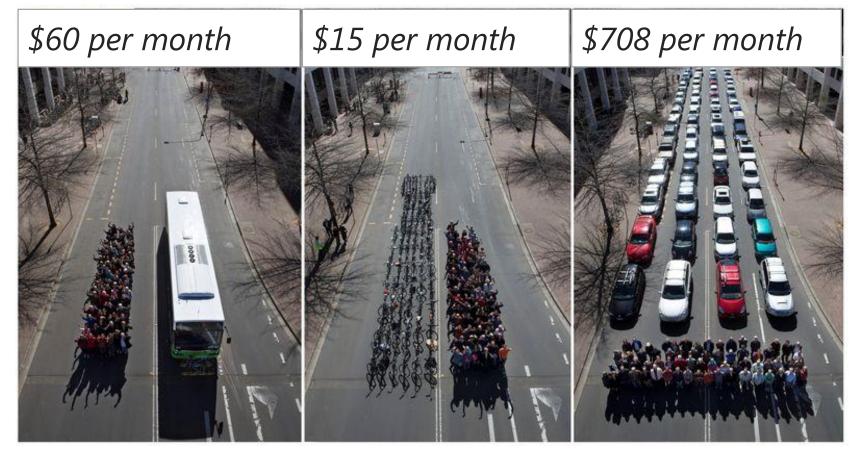
Transportation Why Prioritize Walking, Biking and Transit

- Physical well-being _____
 Active transportation
- Environmental stewardship
 Low to zero emission
 44% GHG emissions in city
 from transportation sector

City of New Orleans

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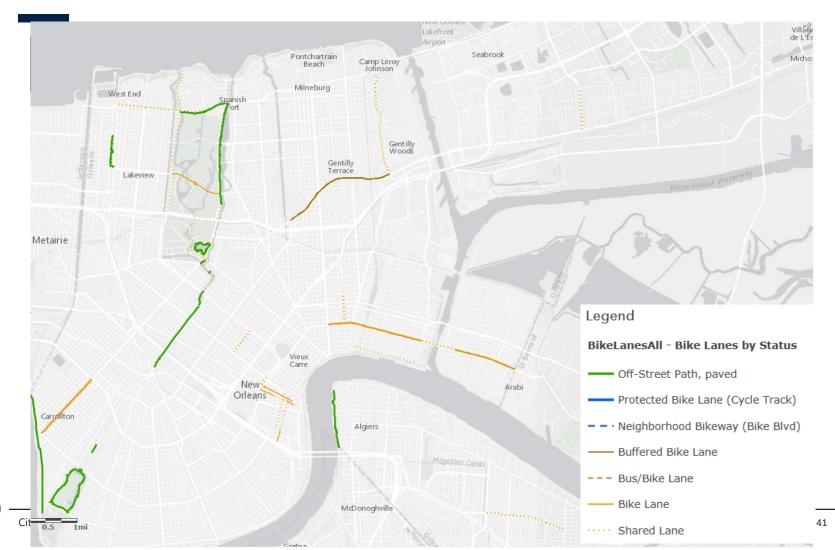
Resilient & Equitable Transportational city



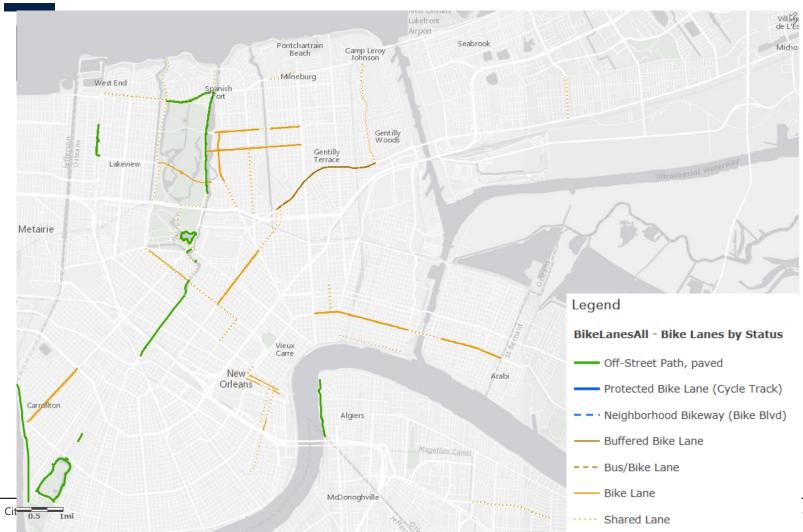


City of New Orleans

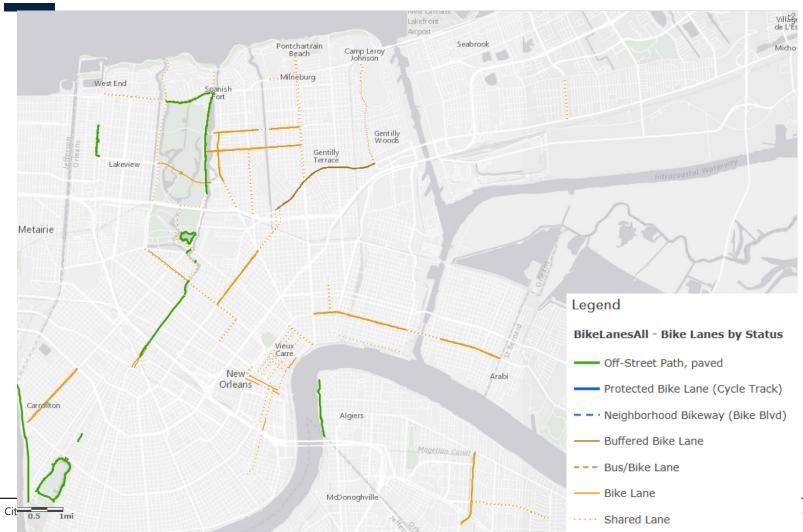
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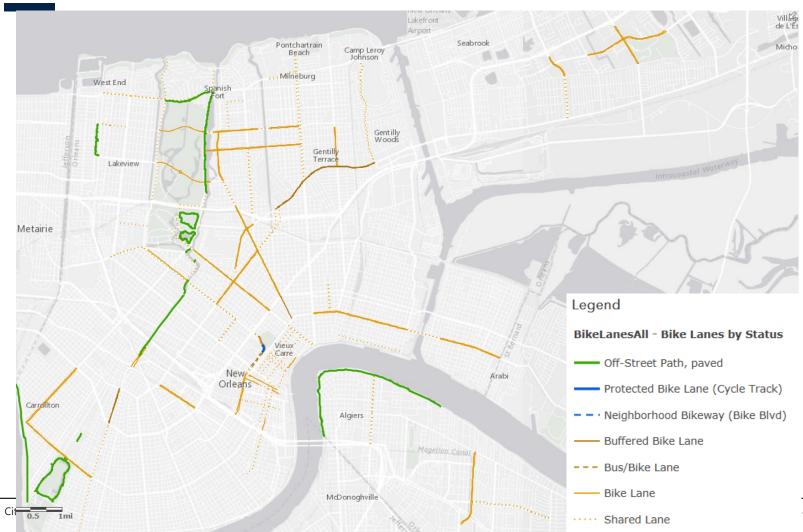




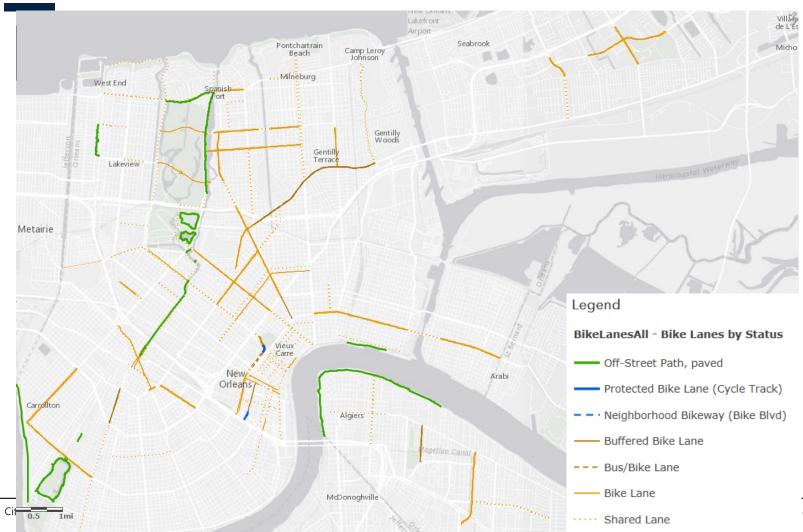




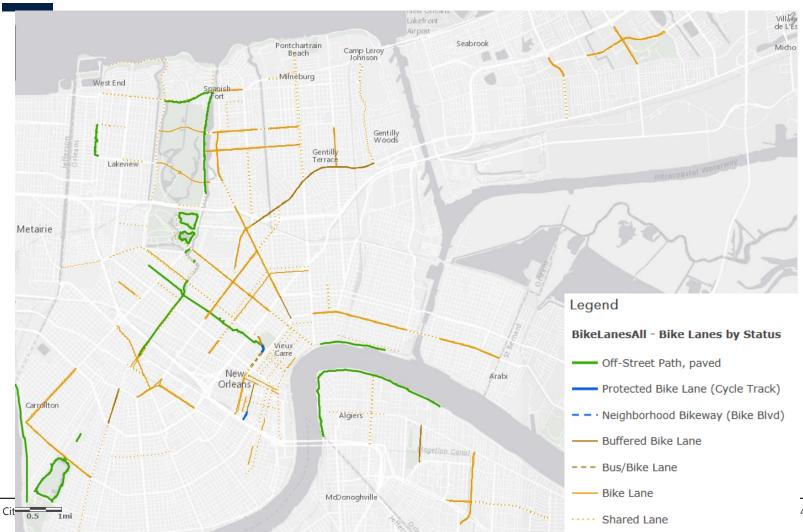










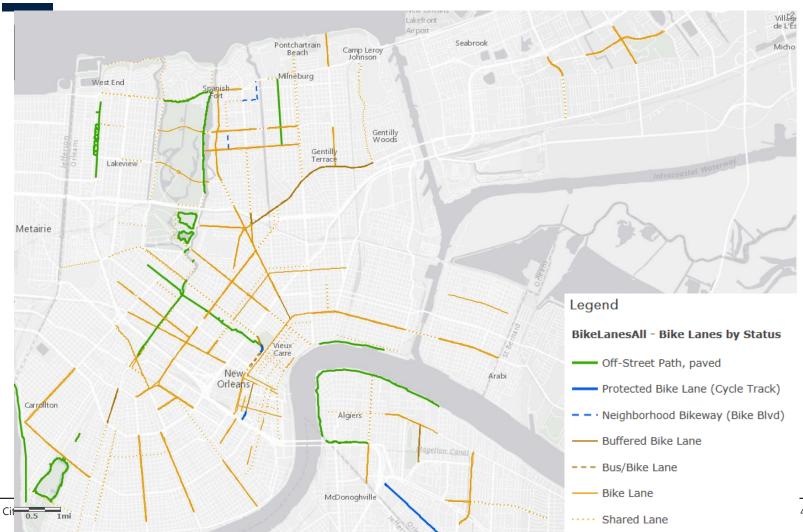








How we got here Today (including design and under construction)





Where we want to go Not all infrastructure is created equal



Bike lane



Protected Bike Lane (cycle track)



Off-street path (shared-use path)

higher stress

low stress

least stress



City of New Orleans

Where we want to go Existing low-stress network





Where we want to go Leverage multiple bicycle investments





Bike Share Overview Phase 1 Service Area and Stations



